

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,861,616 B1  
DATED : March 1, 2005  
INVENTOR(S) : Michael Kuhl

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [22], PCT Filed, change "Sep. 30, 1999" to -- Sep. 30, 1998 --.

Column 1,

Line 9, change "produced by al laser processing device." to -- produced by a laser processing device. --.

Line 23, change "is generally not spherical," to -- is generally not spherical, --.

Line 24, change "So-called F $\theta$  lenses are corrected" to -- So-called F $\theta$ -lenses are corrected --.

Line 30, change "range of about 100 sum." to -- range of about 100 $\mu$ m. --.

Column 2,

Line 40, change "noted here that the applicant has" to -- noted here that applicants have --.

Column 3,

Line 17, change "layers by  $S_{i+}$ ." to -- layers by  $S_{i+1}$ . --.

Line 26, change "to be processed. i.e. the bottom of" to -- to be processed, i.e. the bottom of --.

Line 28, change "lines I01a indicate" to -- lines 101a indicate --.

Line 33, change "of the next layer  $S_i+I$ ." to -- of the next layer  $S_{i+1}$ . --,

Line 58, change "are provided, for example for laser" to -- are provided (for example for laser --.

Line 59, change "68 denoted functions corresponding to" to -- 68 denotes functions corresponding to --.

Column 5,

Line 23, change "The boundary  $x_g$  for the removal" to -- The boundary  $x_g$  for the removal --.

Lines 25-26, change "a  $dz$  will lead to a  $dx_g$ ." to -- a  $d_z$  will lead to a  $dx_g$ . --.

Line 28, change "layer  $x_g$  (and correspondingly  $y_g$ ) can" to -- layer  $x_g$  (and correspondingly  $y_g$ ) can --.

Line 36, change "change of  $x_g$  and  $y_g$ ." to -- change of  $x_g$  and  $y_g$  --.

Line 39, change "horizontal boundaries  $x_g$ ,  $y_g$ " to -- horizontal boundaries  $x_g$ ,  $y_g$  --.

Line 46, change "From said data the boundaries  $x_g$ ,  $y_g$ " to -- From said data the boundaries  $x_g$ ,  $y_g$  --.

Line 52, change "removal boundaries  $x_g$ ,  $y_g$ ." to --removal boundaries  $x_g$ ,  $y_g$ . --.

Column 6,

Line 20, change "103 denotes a plateau under consideration" to -- 103 denotes a plateau. Under consideration --.

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Column 6 (cont'd),

Line 22, change "may be determined, if, on the other hand," to -- may be determined.  
If, on the other hand, --.

Line 31, please add the following text "The offset corresponds to  $\Delta x = v_x \cdot t_R$  and is therefore absolutely included in the range of the observed accuracies (e.g.  $v_x = 01 \text{ m/s}$ ,  $t_R = 0,5 \text{ ms}$ ,  $\Delta x = 50 \mu\text{m}$ ). To compensate such disadvantageous effects it may be desirable to store measured values for the depth  $z$  and to take them into consideration later. This may lead to control overlapping or underlying the automatic control depending on the stored depth data."

Line 43, change "FIG. 7 the density of the density of the measuring points" to --FIG. 7 the density of the measuring points --.

Line 48, change "levelling out said irregularL ity" to -- leveling out said irregularity --.

Line 50, change "Owing to the a priori" to -- Owing to the a priori --.

Line 53, change "in the case of plateaux, towards" to -- in the case of plateaus, towards --.

Column 7,

Line 20, change "of the applicant." to -- of the applicants --.

Line 43, change "(Dz) of a removed layer ( $S_i$ )" to -- ( $\Delta z$ ) of a removed layer ( $S_i$ ) --.

Line 45, change "the boundaries ( $x_g$ ,  $Y_g$ ) in" to -- the boundaries ( $x_g$ ,  $y_g$ ) in --.

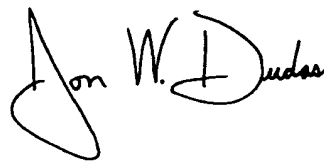
Line 47, change "thickness (Dz)." to --thickness ( $\Delta z$ ).--

Column 8,

Lines 47-48, change "characterized in accordance" to -- characterized in that a correction is made in accordance --.

Signed and Sealed this

Twelfth Day of July, 2005



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*